FIG. 1

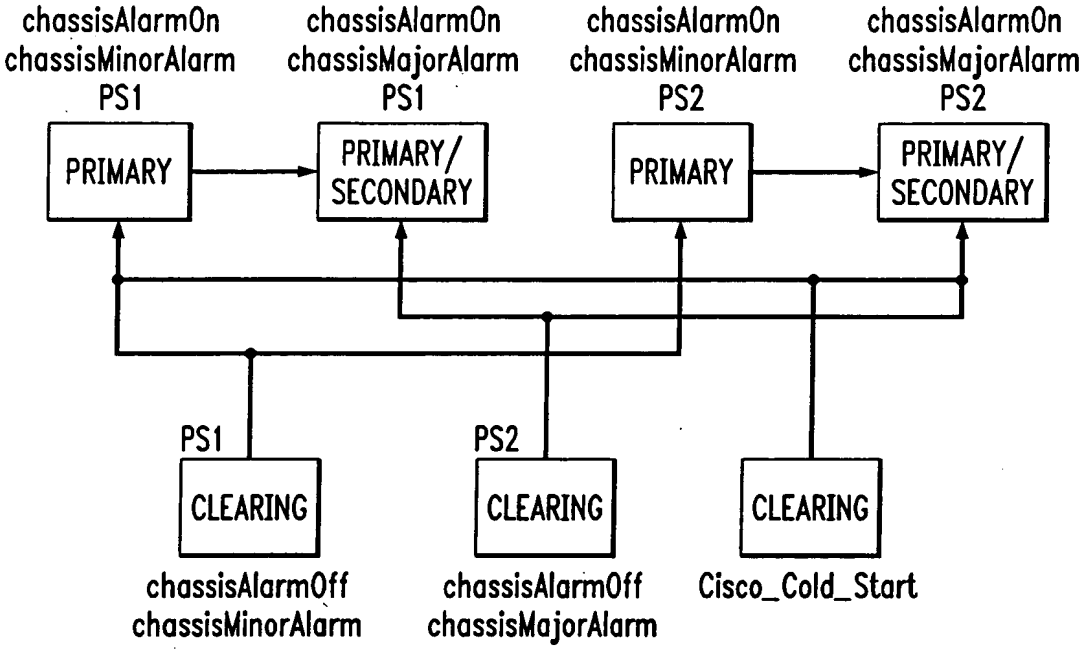

chassisAlarmOn
chassisMinorAlarm
PS1
chassisAlarmOn
chassisMajorAlarm
PS1
chassisAlarmOn
chassisMinorAlarm
PS2
chassisAlarmOn
chassisMajorAlarm
PS2
PRIMARY
PRIMARY/
SECONDARY
PRIMARY
PRIMARY/
SECONDARY
PS1
PS2
CLEARING
CLEARING
CLEARING
chassisAlarmOff
chassisMinorAlarm
chassisAlarmOff
chassisMajorAlarm
Cisco_Cold_Start

FIG. 2

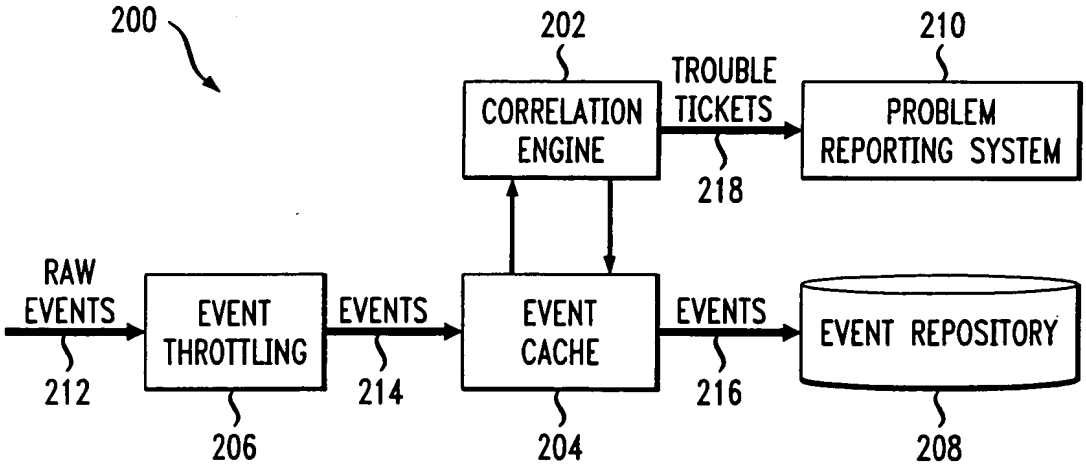

200
202
210
CORRELATION
ENGINE
TROUBLE
TICKETS
PROBLEM
REPORTING SYSTEM
218
RAW
EVENTS
EVENT
THROTTLING
EVENTS
EVENT
CACHE
EVENTS
EVENT REPOSITORY
212
206
214
204
216
208

FIG. 3

300

	302 TIMESTAMP	304 TRAP	306 TIME	308 HOST	310 CATEGORY	312 MESSAGE
314	983079659	3	FEB 25 00:40:59	HOST1	N	NODE UP.
316	983079659	3	FEB 25 00:40:59	HOST2	N	INTERFACE css0 UP.
318	983079659	7	FEB 25 00:40:59	HOST2	N	NODE MARGINAL.
320	983079659	3	FEB 25 00:40:59	HOST3	N	INTERFACE ip1 UP.
322	983079659	3	FEB 25 00:40:59	HOST3	N	NODE UP.
324	983079659	3	FEB 25 00:40:59	HOST4	N	INTERFACE css0 UP.
326	983079659	7	FEB 25 00:40:59	HOST4	N	NODE MARGINAL.
328	983079659	7	FEB 25 00:40:59	HOST5	N	SEGMENT ip1.
330	983079659	7	FEB 25 00:40:59	HOST5	N	NETWORK ip1 UP.
332	983079660	3	FEB 25 00:41:00	HOST6	N	INTERFACE tr0 DOWN.
334	983079660	3	FEB 25 00:41:00	HOST6	N	NODE DOWN.

FIG. 4

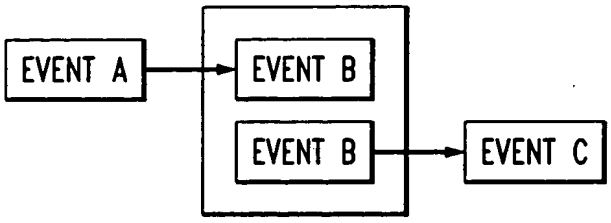


FIG. 5

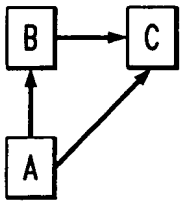


FIG. 6

FIG. 7

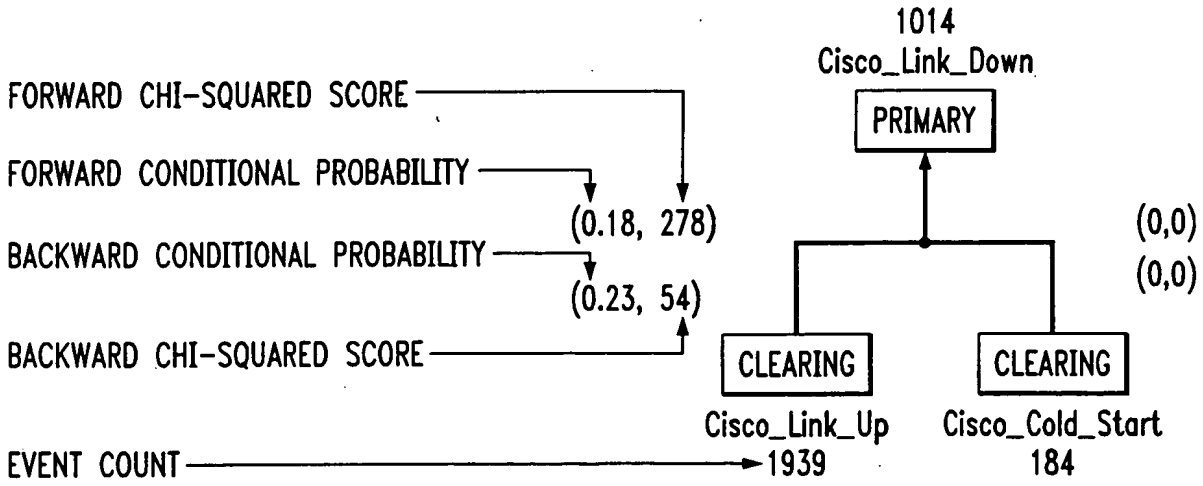
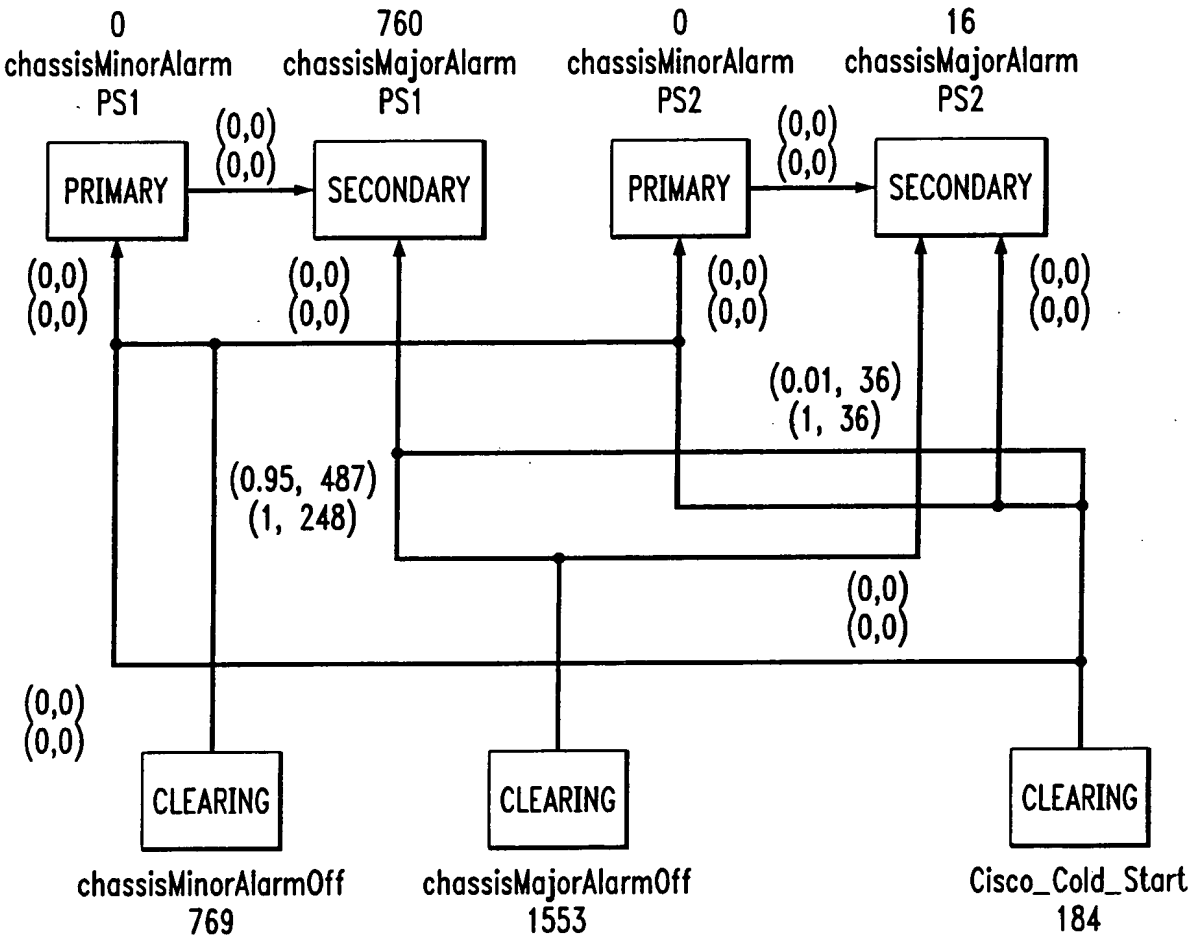


FIG. 8


0
chassisMinorAlarm
PS1
760
chassisMajorAlarm
PS1
0
chassisMinorAlarm
PS2
16
chassisMajorAlarm
PS2
PRIMARY
SECONDARY
PRIMARY
SECONDARY
(0,0)
(0,0)
(0.01, 36)
(1, 36)
(0.95, 487)
(1, 248)
CLEARING
CLEARING
CLEARING
chassisMinorAlarmOff
769
chassisMajorAlarmOff
1553
Cisco_Cold_Start
184

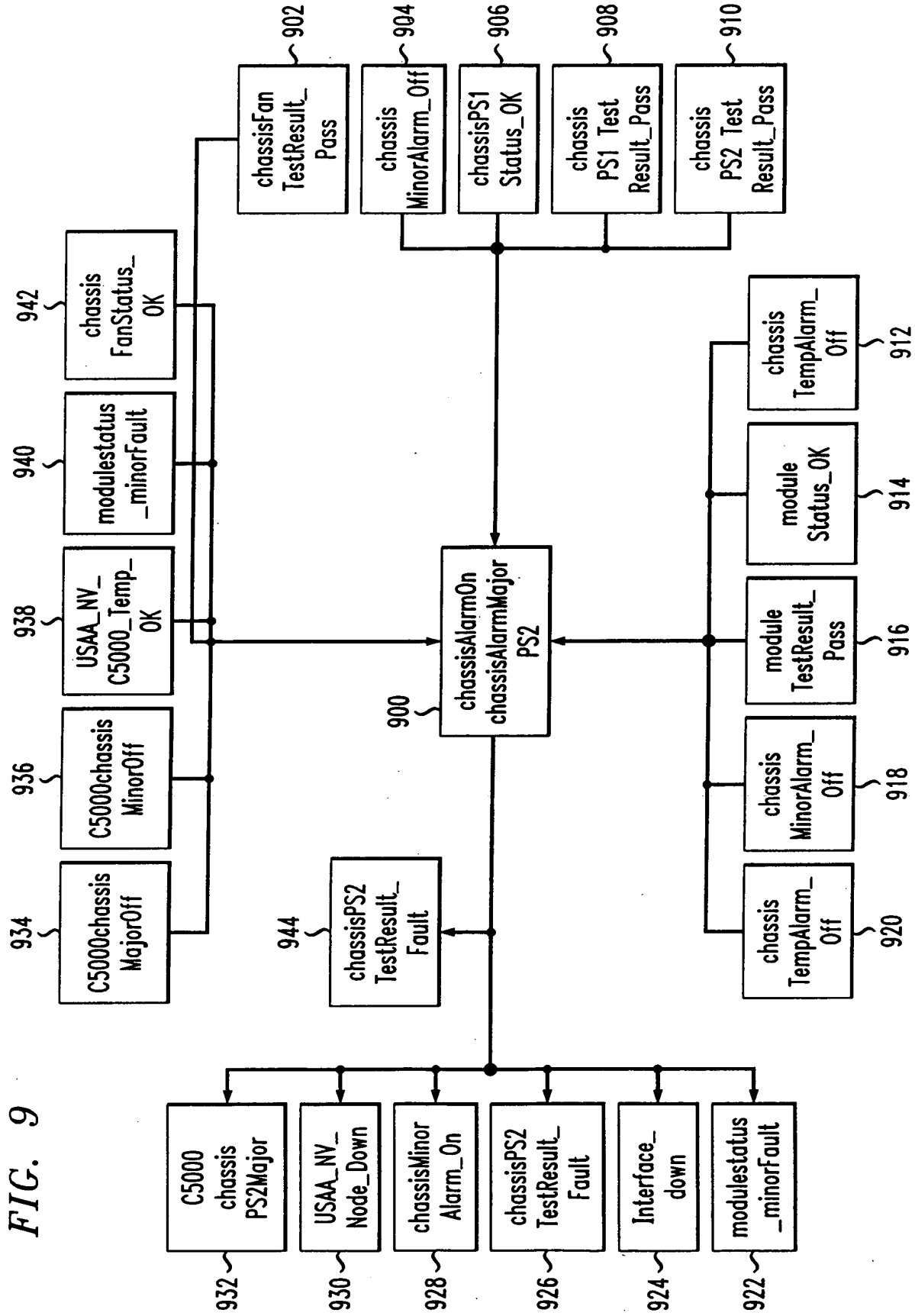

chassisFan TestResult_ Pass
902
chassis MinorAlarm_Off
904
chassisPS1 Status_OK
906
chassis PS1 Test Result_Pass
908
chassis PS2 Test Result_Pass
910
chassis FanStatus_ OK
942
modulestatus _minorFault
940
USAA_NV_ C5000_Temp_ OK
938
C5000chassis MinorOff
936
C5000chassis MajorOff
934
chassisAlarmOn chassisAlarmMajor PS2
900
chassisPS2 TestResult_ Fault
944
chassis TempAlarm_ Off
912
module Status_OK
914
module TestResult_ Pass
916
chassis MinorAlarm_ Off
918
chassis TempAlarm_ Off
920
C5000 chassis PS2Major
932
USAA_NV_ Node_Down
930
chassisMinor Alarm_On
928
chassisPS2 TestResult_ Fault
926
Interface_ down
924
modulestatus _minorFault
922

FIG. 9

FIG. 10

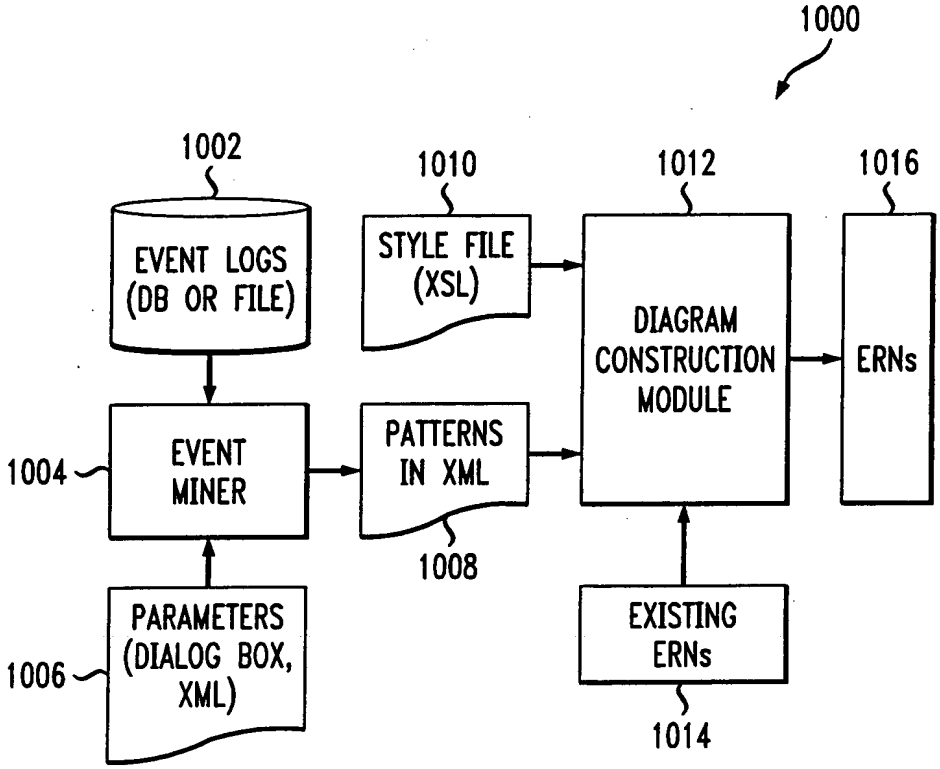

1000
1002
EVENT LOGS (DB OR FILE)
1010
STYLE FILE (XSL)
1012
DIAGRAM CONSTRUCTION MODULE
1016
ERNs
1004
EVENT MINER
PATTERNS IN XML
1008
1006
PARAMETERS (DIALOG BOX, XML)
EXISTING ERNs
1014

FIG. 11

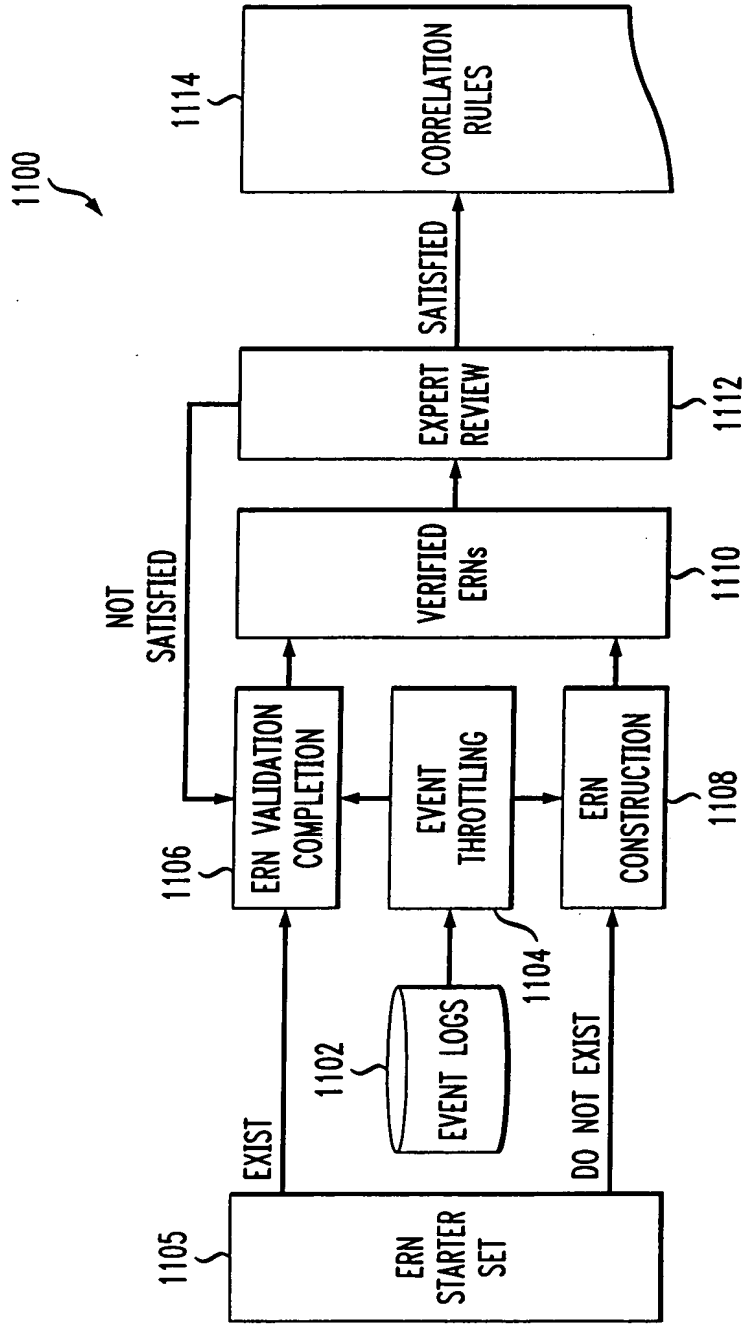
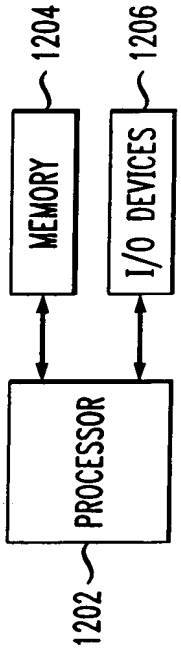

1100
1114
CORRELATION RULES
SATISFIED
EXPERT REVIEW
1112
NOT SATISFIED
VERIFIED ERNs
1110
1106
ERN VALIDATION COMPLETION
EVENT THROTTLING
ERN CONSTRUCTION
1108
1104
1102
EVENT LOGS
EXIST
DO NOT EXIST
1105
ERN STARTER SET

FIG. 12


1204
MEMORY
1206
I/O DEVICES
PROCESSOR
1202